

SEQUENCE LISTING

- (1) GENERAL INFORMATION:
- (i) APPLICANT: Ni, J., ET AL.
 - (ii) TITLE OF INVENTION: Human Chemotactic Cytokine I
 - (iii) NUMBER OF SEQUENCES: 9
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
CECCHI, STEWART & OLSTEIN
 - (B) STREET: 6 BECKER FARM ROAD
 - (C) CITY: ROSELAND
 - (D) STATE: NEW JERSEY
 - (E) COUNTRY: USA
 - (F) ZIP: 07068
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: 3.5 INCH DISKETTE
 - (B) COMPUTER: IBM PS/2
 - (C) OPERATING SYSTEM: MS-DOS
 - (D) SOFTWARE: WORD PERFECT 5.1
 - (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER:
 - (B) FILING DATE: Concurrently
 - (C) CLASSIFICATION:
 - (vii) PRIOR APPLICATION DATA
 - (A) APPLICATION NUMBER: 60/008387
 - (B) FILING DATE: December 8, 1995
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: MULLINS, J.G.
 - (B) REGISTRATION NUMBER: 33,073
 - (C) REFERENCE/DOCKET NUMBER: 325800-506
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 201-994-1700
 - (B) TELEFAX: 201-994-1744
- (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS
 - (A) LENGTH: 480 BASE PAIRS
 - (B) TYPE: NUCLEIC ACID
 - (C) STRANDEDNESS: SINGLE
 - (D) TOPOLOGY: LINEAR
 - (ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CACGAGCACC	ACTGCTGGCT	TTTTGCTGTA	GCTCCACATT	CCTGTGCATT	GAGGGGTTAA	60
CATTAGGCTG	GGAAGATGAC	AAAACTTGAA	GAGCATCTGG	AGGGAATTGT	CAATATCTTC	120
CACCAATACT	CAGTTCGGAA	GGGGCATTTC	GACACCCTCT	CTAAGGGTGA	GCTGAAGCAG	180
CTGCTTACAA	AGGAGCTTGC	AAACACCATC	AAGAATATCA	AAGATAAAGC	TGTCATTGAT	240
GAAATATTCC	AAGGCCTGGA	TGCTAATCAA	GATGAACAGG	TCGACTTTCA	AGAATTCATA	300
TCCCTGGTAG	CCATTGCGCT	GAAGGCTGCC	CATTACCACA	CCCACAAAGA	GTAGGTAGCT	360
CTCTGAAGGC	TTTTTACCCA	GCAATGTCCT	CAATGGAGGG	GTCTTTTCTT	TGCCTCACCA	420
AAACCCAGCT	TGACCCCTGG	GGGGAGTTAA	GAGTTAATAA	CCACACTTAC	GGAAAGTTCT	480

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS

- (A) LENGTH: 92 AMINO ACIDS
- (B) TYPE: AMINO ACID
- (C) STRANDEDNESS:
- (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: PROTEIN

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met	Thr	Lys	Leu	Glu	Glu	His	Leu	Glu	Gly	Ile	Val	Asn	Ile	Phe	5	10	15
His	Gln	Tyr	Ser	Val	Arg	Lys	Gly	His	Phe	Asp	Thr	Leu	Ser	Lys	20	25	30
Gly	Glu	Leu	Lys	Gln	Leu	Leu	Thr	Lys	Glu	Leu	Ala	Asn	Thr	Ile	35	40	45
Lys	Asn	Ile	Lys	Asp	Lys	Ala	Val	Ile	Asp	Glu	Ile	Phe	Gln	Gly	50	55	60
Leu	Asp	Ala	Asn	Gln	Asp	Glu	Gln	Val	Asp	Phe	Gln	Glu	Phe	Ile	65	70	75
Ser	Leu	Val	Ala	Ile	Ala	Leu	Lys	Ala	Ala	His	Tyr	His	Thr	His	70	85	90
Lys	Glu																

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS

- (A) LENGTH: 22 BASE PAIRS
- (B) TYPE: NUCLEIC ACID
- (C) STRANDEDNESS: SINGLE
- (D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

CGCGGATCCA TGACAAACT TG

22

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 28 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

CGCGGATCCC TACTCTTTGT GGGTGTGG

28

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 31 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCGCGGATCC ACCATGACAA AACTTGAAGA G

31

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 55 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE

(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCGCTCTAGA TCAAGCGTAG TCTGGGACGT CGTATGGGTA CTCTTTGTGG GTGTG

55

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS

(A) LENGTH: 29 BASE PAIRS

(B) TYPE: NUCLEIC ACID

(C) STRANDEDNESS: SINGLE
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

CGCGGATCCC ACAAACTTG AAGAGCATC

29

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS
(A) LENGTH: 28 BASE PAIRS
(B) TYPE: NUCLEIC ACID
(C) STRANDEDNESS: SINGLE
(D) TOPOLOGY: LINEAR

(ii) MOLECULE TYPE: Oligonucleotide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

CGCGGATCCC TACTCTTTGT GGGTGTGG

28

Met Thr Cys Lys Met Ser Gln Leu Glu Arg Asn Ile Glu Thr Ile
Ile Asn Thr Phe His Gln Tyr Ser Val Lys Leu Gly His Pro Asp
Thr Leu Asn Gln Gly Glu Phe Lys Glu Leu Val Arg Lys Asp Leu
Gln Asn Phe Leu Lys Lys Glu Asn Lys Asn Glu Lys Val Ile Glu
His Ile Met Glu Asp Leu Asp Thr Asn Ala Asp Lys Gln Leu Ser
Phe Glu Glu Phe Ile Met Leu Met Ala Arg Leu Thr Trp Ala Ser
His Glu Lys Met His Glu Gly Asp Glu Gly

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Ni, Jian
Yu, Guo-Liang
Alfonso, Pedro
Gentz, Reiner
Su, Jeffrey S.

(ii) TITLE OF INVENTION: Human Chemotactic Cytokine I

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Human Genome Sciences, Inc.
(B) STREET: 9410 Key West Ave
(C) CITY: Rockville
(D) STATE: MD
(E) COUNTRY: USA
(F) ZIP: 20850

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/761,289
(B) FILING DATE: 06-DEC-1996

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 06/008,378
(B) FILING DATE: 08-DEC-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Brookes, A. Anders
(B) REGISTRATION NUMBER: 36,373
(C) REFERENCE/DOCKET NUMBER: PF210D1

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 301-309-8504
(B) TELEFAX: 301-309-8439

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 480 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(ix) FEATURE:

(A) NAME/KEY: CDS

(B) LOCATION: 76..351

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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CACGAGCACC ACTGCTGGCT TTTTGCTGTA GCTCCACATT CCTGTGCATT GAGGGGTAA      60
CATTAGGCTG GGAAG ATG ACA AAA CTT GAA GAG CAT CTG GAG GGA ATT GTC      111
          Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val
                1                5                10

AAT ATC TTC CAC CAA TAC TCA GTT CGG AAG GGG CAT TTT GAC ACC CTC      159
Asn Ile Phe His Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu
          15                20                25

TCT AAG GGT GAG CTG AAG CAG CTG CTT ACA AAG GAG CTT GCA AAC ACC      207
Ser Lys Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr
          30                35                40

ATC AAG AAT ATC AAA GAT AAA GCT GTC ATT GAT GAA ATA TTC CAA GGC      255
Ile Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly
          45                50                55                60

CTG GAT GCT AAT CAA GAT GAA CAG GTC GAC TTT CAA GAA TTC ATA TCC      303
Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser
                65                70                75

CTG GTA GCC ATT GCG CTG AAG GCT GCC CAT TAC CAC ACC CAC AAA GAG      351
Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu
                80                85                90

TAGGTAGCTC TCTGAAGGCT TTTTACCCAG CAATGTCCTC AATGGAGGGG TCTTTTCTTT      411
GCCTCACCAA AACCCAGCTT GACCCCTGGG GGGAGTTAAG AGTTAATAAC CACACTTACG      471
GAAAGTTCT      480
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 92 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
Met Thr Lys Leu Glu Glu His Leu Glu Gly Ile Val Asn Ile Phe His
  1                5                10                15
```


(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCGCGGATCC ACCATGACAA AACTTGAAGA G

31

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 55 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCGCTCTAGA TCAAGCGTAG TCTGGGACGT CGTATGGGTA CTCTTTGTGG GTGTG

55

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 29 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GCGCGGATCCC ACAAACCTTG AAGAGCATC

29

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

